

Applicant: Ari-Pekka Kautto et al.
PCT App. No.: PCT/FI2004/050189

Claim Listing

- 1–7. (cancelled)
8. (new) A rod cradle for a film, coating, or sealing rod, comprising:
portions of the rod cradle forming a base part, portions of the rod cradle defining a rod groove, and portions of the rod cradle forming a body part which is between the base part and the rod groove;
wherein the base part and the body part are formed of a first material;
wherein the portions defining a rod groove include circumference portions edging the rod groove, the circumference portions including portions forming lips, the rod groove being arranged to receive a rod between said lips, and wherein the circumference portions are arranged to lie against the rod;
wherein said circumference portions are formed at least partly by a slider piece of a second material different than the first material which is an insert-molded part of the cradle.
9. (new) The rod cradle of claim 8 wherein the lips edging the rod groove are of the first material.
10. (new) The rod cradle of claim 8, wherein the insert-molded slider piece forms all the circumference portions and also has portions forming a liquid groove contiguous with the rod groove.
11. (new) The rod cradle of claim 8, wherein the slider piece is formed of a polymer.
12. (new) The rod cradle of claim 9 wherein the slider piece is polyurethane.

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13. (new) The rod cradle of Claim 8 wherein the slider piece is polyurethane filled with a substance that reduces friction.

14. (new) The rod cradle of claim 8, wherein the slider piece is non-homogenous, such that material forming a bottom portion of the rod groove, which bottom portion engages the rod, has a lower coefficient of friction than all other circumference portions.

15. (new) A rod cradle for a film, coating, or sealing rod, comprising:
a first molding having portions forming a base part, portions defining a rod groove, and portions forming a body part which is between the base part and the rod groove, wherein the first molding is formed of a first material; and
a second molding of a second material different than the first material which second molding is an insert-molded part of the rod cradle, wherein the first molding and the second molding are joined permanently to each other, wherein the portions defining a rod groove include circumference portions edging the rod groove, the circumference portions including portions forming lips, the rod groove being arranged to receive a rod between said lips, and wherein the circumference portions are arranged to lie against the rod, and wherein the second molding defines a slider piece which forms at least part of the circumference portions.

16. (new) The rod cradle of claim 15 wherein the lips edging the rod groove are of the first material.

17. (new) The rod cradle of claim 15, wherein the insert-molded slider piece forms all the circumference portions and also has portions forming a liquid groove contiguous with the rod groove.

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18. (new) The rod cradle of claim 15, wherein the slider piece is formed of a polymer.
19. (new) The rod cradle of claim 16 wherein the slider piece is polyurethane.
20. (new) The rod cradle of Claim 15 wherein the slider piece is polyurethane filled with a substance that reduces friction.
21. (new) The rod cradle of claim 15, wherein the slider piece is non-homogenous, such that material forming a bottom portion of the rod groove, which bottom portion engages the rod, has a lower coefficient of friction than all other circumference portions.